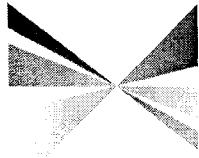


SOUTHERN CALIFORNIA



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MEETING OF THE

ENERGY WORKING GROUP

**Tuesday, October 3, 2006
12:30 p.m. – 2:30 p.m.**

**SCAG Offices
818 W. 7th Street, 12th Floor
Riverside B Conference Room
Los Angeles, California 90017
213.236.1800**

If members of the public wish to review the attachments or have any questions on any of the agenda items, please contact Deby Salcido at 213.236.1993 or salcido@scag.ca.gov

Agenda and minutes are available on the web at:
<http://scag.ca.gov/rcp/ewg.htm>

SCAG, in accordance with the Americans with Disabilities Act (ADA), will accommodate persons who require a modification of accommodation in order to participate in this meeting. If you require such assistance, please contact SCAG at (213) 236-1868 at least 72 hours in advance of the meeting to enable SCAG to make reasonable arrangements. To request documents related to this document in an alternative format, please contact (213) 236-1868.

ENERGY WORKING GROUP

AGENDA

October 3, 2006

- 1.0 CALL TO ORDER Honorable
Debbie Cook, Chair
- 2.0 PUBLIC COMMENT PERIOD
Members of the public desiring to speak on an agenda item or items not on the agenda, but within the purview of the Committee, must fill out and present a speaker's card to the Assistant prior to speaking. A speaker's card must be turned in before the meeting is called to order. Comments will be limited to three minutes. The chair may limit the total time for all comments to twenty (20) minutes.
- 3.0 REVIEW and PRIORITIZE AGENDA ITEMS
- 4.0 CONSENT CALENDAR
- 4.1 Minutes of August 22, 2006 01
- 5.0 DISCUSSION ITEMS
- 5.1 Energy Consultant Introduction Attachment Jennifer Sarnecki 03 30 Minutes
SCAG Staff
- Staff will introduce the consultant team,
Jack Faucett Associates.
- 5.2 Energy Efficient Buildings Katrina Rosa, 30 Minutes
LEED AP
Sustainable Design
Project Manager
HDR Architecture, Inc.
- Information will be presented on Energy
Efficient Buildings.
- 5.3 California's Energy Action Plan Attachment Jennifer Sarnecki 04 15 Minutes
SCAG Staff
- Staff requests additional discussion on the
EAP and 2007 Integrated Energy Action Plan.



ENERGY WORKING GROUP

AGENDA

5.4 Group Recommendations for Future Speakers

Jennifer Sarnecki
SCAG Staff

15 Minutes

Staff requests input from the group regarding future speakers, highlighting energy innovators and local best practices.

6.0 CHAIR'S REPORT

Honorable
Debbie Cook, Chair

7.0 STAFF REPORT

7.1 Robert Kaufmann Presentation, October 5, 2006 at SCAG

7.2 Performance Outcomes Presentation to the RCP Task Force, October 9, 2006 at SCAG

8.0 FUTURE AGENDA ITEMS

Any Committee members or staff desiring to place items on a future agenda may make such request. Comments should be limited to three (3) minutes.

9.0 ANNOUNCEMENTS

10.0 ADJOURNMENT

The next Energy Working Group Meeting will be November 28, 2006 at 12:30 p.m.



Energy Working Group

Minutes for August 22, 2006

The following minutes are a summary of actions taken by the Energy Working Group.

The Energy Working Group held its meeting at the Southern California Association of Governments offices in Los Angeles. The meeting was called to order by Chair Debbie Cook, City of Huntington Beach.

Members Present

Representing

Carol Gomez	SCAQMD
Margaret Clark	City of Rosemead
Darrell Clarke	Sierra Club
Katrina Rosa	HDR
Debbie Cook	City of Huntington Beach
Angela Mazzie	L.A. County
Gene Beck	Environtech
Marilyn Lyon	South Bay Energy Savings Center
Jim Stewart	Sierra Club
Ty Schuiling	SANBAG

1.0 CALL TO ORDER

Debbie Cook, Chair, called the meeting to order at 12:35 p.m.

2.0 PUBLIC COMMENT PERIOD

None offered.

3.0 REVIEW AND PRIORITIZE AGENDA ITEMS

4.0 CONSENT CALENDAR

4.1 Approval of the June 27, 2006 Minutes.

The minutes of June 27, 2006 were approved as submitted.

5.0 ACTION ITEMS

None

6.0 INFORMATION ITEMS

6.1 Energy Transportation Technologies

Edward Kjaer, SCE – Director of Electronic Transportation, presented information on current fuel consumption, future fuel availability and alternatives, and progress of Electro-drive transportation technologies.

6.2 Energy Chapter Basic Structure

Jill Eggerman, SCAG Staff, provided the group with a demonstration of the basic structure and format for the Regional Comprehensive Plan (RCP) Chapters, including sample outcomes and strategies.

6.3 California's Energy Action Plan

This item was postponed until a future meeting.

6.4 Group recommendations for Future Speakers

This item was postponed until a future meeting.

7.0 CHAIR'S REPORT

Debbie Cook announced a presentation by Professor Robert Kaufmann on October 5th regarding world oil markets and peak oil. SCAG Staff will send a reminder email.

8.0 STAFF REPORT

SCAG has issued a notice of intent to proceed for an energy planning consultant.

9.0 FUTURE AGENDA ITEMS

10.0 ANNOUNCEMENTS

11.0 ADJOURNMENT

The meeting adjourned at 2:35 p.m.

MEMO

DATE: October 3, 2006

TO: Energy Working Group

FROM: Jennifer Brost Sarnecki, AICP, Associate Planner, (213) 236-1829, sarnecki@scag.ca.gov

SUBJECT: Energy Consultant Introduction

SUMMARY:

Staff will introduce the energy consultant team, Jack Faucett Associates.

BACKGROUND:

SCAG will engage the consultant team, lead by Jack Faucett Associates to assist in developing a broad regional energy planning and programmatic effort through its Regional Comprehensive Plan (RCP) process. The consultant team will develop a fact-based foundation for assessing SCAG's energy needs through 2035 and provide a basis for long-term energy planning activities, including developing cost scenarios and mitigation measures based on a reasonable range of assumptions.

The main objective of this work program is to develop a fact-based, integrative analysis of the region's energy needs through 2035 to guide best practices, policies, and performance outcomes in the Energy Chapter of the RCP. This work program will also guide policies and performance outcomes in several chapters of the RCP such as transportation, air quality, and housing.

Another objective of this work program is to consult with State and local energy planners and other professionals with a role in energy planning. To this end, the consultant will work with SCAG's recently formed Energy Working Group to understand various energy planning processes. The stakeholders will establish quantifiable plan outcomes for energy. In addition, the energy group will identify feasible energy action items for the state, region, and municipalities. SCAG's member cities could incorporate SCAG's data into their planning processes, saving time and money in the provision of public utilities.

MEMO

DATE: October 3, 2006

TO: Energy Working Group

FROM: Jennifer Brost Sarnecki, AICP, Associate Planner, (213) 236-1829, sarnecki@scag.ca.gov

SUBJECT: California's Energy Action Plan

SUMMARY:

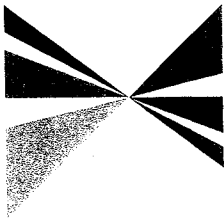
Staff requests additional discussion on the Energy Action Plan and the 2006/2007 Integrated Energy Action Plan.

BACKGROUND:

Staff has submitted a letter in response to a request for comments regarding the Workshop on Land Use and Energy in California, Docket No. 06-IEP-1L. The letter is attached for your information.

ATTACHMENT:

SCAG letter to Docket No. 06-IEP-1L regarding the 2006 IEPR Update -- Land Use Planning


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Riverside County Transportation Commission: Robin Lowe, Hemet

Ventura County Transportation Commission: Keith Millhouse, Moorpark

5/9/05 09:06

September 21, 2006

California Energy Commission

Dockets Office, MS-4

Re: Docket No. 06-IEP-1L

1516 Ninth Street

Sacramento, CA 95814-5512

RE: Docket No. 06-IEP-1L, 2006 IEPR Update – Land Use Planning

Dear Chairwoman Pfannenstiel,

The Southern California Association of Governments (SCAG) appreciates the opportunity to comment on the relationship between land use decisions and energy demand. SCAG is currently involved in a number of endeavors to explore the connections between transportation planning, land use planning, air quality and energy demand. This letter describes some of SCAG's efforts as they relate to questions presented in Attachment A of the workshop notice. In addition, it indicates areas of research that would assist future energy planning efforts.

Regional Transportation Plan

SCAG is the Metropolitan Planning Organization for the six-county region comprised of Los Angeles, Orange, San Bernardino, Riverside, Ventura and Imperial Counties. In this capacity, SCAG prepares a long range Regional Transportation Plan (RTP) every three (now going to every four) years as required by federal law which provides long-range (20 years) transportation planning for the region.

The passage of SAFETEA-LU (Safe Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users, Pub. L. 109-59, enacted August 10, 2005), requires SCAG to consider, through the RTP process, projects and strategies that will protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns.

As part of the RTP, SCAG forecasts population, households, and jobs. The 2004 RTP found that if recent population, household, and employment trends continue in the future, by 2030 the Region will be home to 22.9 million residents and 10.2 million jobs. This represents a population increase of 38 percent, or 6.3 million people, between 2000 and 2030 and an increase in employment of 36 percent, or 2.7 million jobs.

Southern California Compass Blueprint

Given the magnitude of growth projected over the 30- year RTP forecast period, and its potential impacts on traffic congestion, air quality, open space protection,

etc., SCAG initiated a comprehensive growth visioning process called Southern California Compass as part of the 2004 RTP development process. Compass seeks to accommodate growth while maintaining mobility, livability, prosperity and sustainability goals for all residents in the SCAG region. Specifically, Compass aims to provide a policy framework for growth forecasts; consider balanced and efficient growth and transportation patterns; promote affordable housing choices; and provide direction on producing alternative urban form scenarios for the RTP.

The following selected policy assumptions aiming to better link transportation and land use established the framework for the 2004 RTP:

- Focusing growth in centers and major transportation corridors.
- Creating significant areas of mixed-use development.
- Targeting growth around transit stations.
- Providing housing opportunities to match changing demographics.
- Changing land use to correspond to the implementation of regionally significant major transportation projects and their consequent short- and long-term job creation.

Regional Benefits of the Compass Blueprint

As part of the 2004 RTP planning process, SCAG analyzed the RTP relative to baseline conditions. The analysis revealed that local and regional actions, together, can result in profound tangible benefits to southern California's future. The following table highlights several of the key benefits attributable to the Compass land use actions adopted in the 2004 RTP. The percentages shown are the percent of total benefits that the Plan provides due to the Compass Strategy's land use policy. The remainder is due to transportation investments totaling \$213 billion.

Variable	Benefit	Percentage of Total Benefit
Vehicle Miles Traveled (VMT) Reduction	7,000,000 miles*	54%
Vehicle Hours Traveled (VHT) Reduction	340,000 hours*	20%
Hours in Delay due to Congestion Reduction	180,000 hours*	12%
Fuel Consumption Reduction	858,240 gallons*	53%
Reactive Organic Gas Emitted	2 tons*	70%
Transit Ridership Increase	200,000 boardings*	30%
Housing Production Increase (2010-2030)	400,000 units	
Housing Affordability (Reduction in Housing Costs)	20-35% per unit	
*per day in 2030		

Regional Comprehensive Plan

SCAG is currently engaged in the preparation of a Regional Comprehensive Plan (RCP). The RCP will address energy issues as well as land use, transportation, air quality, water, economy, open space, security, and solid and hazardous waste. The goal of the RCP is to organize and collect the full body of current regional planning work, and to set a clear course of action for implementing the region's future vision for growth, infrastructure, and environmental protection.

One theme currently being explored by staff includes impacts of constrained supplies of petroleum. On March 10, 2006, SCAG held the Southern California Energy Conference: *Our Energy Future*. The conference served as an exciting kick-off to the RCP planning process for the Energy Chapter. The conference drew over 150 participants including elected officials and representatives from various agencies and cities in southern California. The Conference gave participants an introduction to the looming liquid fuels crisis resulting from global demand for oil and natural gas exceeding supply. Speakers provided detailed analyses of energy supplies and called for immediate action. More information is available on SCAG's website at <http://www.scag.ca.gov/rcp/energy-summit.htm>.

Major themes from the conference include the following:

- Inexpensive oil has played a large role in the last century's economic and cultural advancements
- The world is consuming more oil but finding less
- Natural gas is the world's most precious energy source; peak natural gas is more serious than peak oil
- Mitigation should be initiated immediately to minimize economic damage since measures take at least 10 years to implement
- Renewable energy derived from biomass could displace more than one third of the country's current petroleum consumption

Since the conference, the nexus between land use and energy has been addressed with greater urgency through the RCP process. SCAG has assembled an Energy Working Group to provide expert guidance in the development of the Energy Chapter. In June, Thom Kelly from the California Energy Commission gave an informative presentation on the California Energy Action Plan.

In addition, SCAG has recently contracted with Jack Faucett Associates to estimate energy supply and demand through 2035. As part of this exercise, the consultant will develop tools that can convert policies and programs into changes in energy demand. This might entail the impacts of avoided travel, improved utility or industrial/commercial sector efficiency, improved motor vehicle fleet efficiency, mode shift, availability of alternative fuels and other programs. The consultant will use energy scenario planning to report the sensitivity of cost scenarios and recommendations for energy demand reduction measures.

RECOMMENDED AREAS OF RESEARCH

Based on the Energy Commission's report, *Sustainable Urban Energy Planning – A Roadmap for Research and Funding (2005)*, several research goals are most relevant to SCAG's programs and would provide the greatest value in enhancing the ability of existing and new development to plan for and efficiently use electricity, natural gas, and transportation fuels. These research goals and their associated activities include:

5.1.1 Develop a better understanding of the embedded environmental impacts and operational energy needs of urban infrastructure systems and urbanization.

- Conduct comparative studies of different community types to precisely identify the electricity-system-related economic and environmental benefits of alternative urban design and site planning features.
- Identify the energy efficiency impacts of local smart growth policies and projects.
- Conduct analyses of utility energy requirements, impacts on the distribution system, and environmental impacts of alternative urban growth scenarios.
- Develop methodology and conduct case studies to assess life cycle energy costs of current and projected growth scenarios throughout California's regions.

5.1.4 Develop effective decision support tools and methods for sustainable urban energy planning

- Develop energy cost assessment and environmental impact analysis capability for popular decision support tools, such as PLACE³S.
- Design sustainable energy indicators to provide benchmarks for local activities and harness local initiatives towards the support of the state's energy goals.
- Develop neighborhood- and community-level smart growth guidelines that establish and incorporate energy efficiency objectives.
- Develop methodologies and approaches to readily incorporate energy supply and infrastructure analysis into existing housing, land-use, and transportation planning processes.

In conclusion, these comments have been submitted to describe the efforts undertaken by SCAG to address the energy and land use connection. As discussed above, SCAG is also pursuing answers to the questions posed in Attachment A regarding the relationship between land use and energy in southern California. We look forward to working with the California Energy Commission on these important issues and welcome the Commission's active participation in our planning process.

If you have questions or comments regarding the information discussed in this letter, please contact Jennifer Sarnecki of my staff at (213) 236-1829 or sarnecki@scag.ca.gov

Sincerely,



Hasan Ikhrata, Director
Planning and Policy
Southern California Association of Governments